

Philip Adsley

List of Publications by Year in descending order

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papers

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times ranked

566
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#	ARTICLE	IF	CITATIONS
1	Calculation probabilities of valence orbitals relevant to neutrinoless double β decay of ^{124}Sn . Physical Review C, 2022, 105, .	2.9	0
2	Experimental study of the $\text{Si}30(\text{He}3,\text{d})\text{P}31$ reaction and thermonuclear reaction rate of $\text{Si}30(\text{p},\hat{1}^3)\text{P}31$. Physical Review C, 2022, 105, .	2.9	2
3	Investigating the predicted breathing-mode excitation of the Hoyle state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136928.	4.1	8
4	Exploring the astrophysical energy range of the ^{27}Al β decay. Physical Review C, 2022, 105, .	4.1	5
5	Mg reaction: A new recommended reaction rate. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Proton partial widths evaluation through the $^{30}\text{Si}(\text{He},\text{d})^{31}\text{P}$ transfer reaction for understanding abundance anomalies in Globular Clusters. EPJ Web of Conferences, 2022, 260, 01003.	0.3	0
6	Direct Measurement of Carbon Fusion at Astrophysical Energies with Gamma-Particle Coincidences. EPJ Web of Conferences, 2022, 260, 01004.	0.3	3
7	Isoscalar giant monopole resonance in ^{24}Mg and ^{28}Si . Physical Review C, 2022, 105, .	2.9	7
8	Multiprobe study of excited states in ^{12}C : Effect of coupling between ^{12}C and ^{12}C . Physical Review C, 2022, 105, .	2.9	3
9	Disentangling the sources of monopole strength between the energy of the Hoyle state and ^{12}C . Physical Review C, 2022, 105, .	2.9	7
10	New narrow resonances observed in the unbound nucleus ^{15}O . Physical Review C, 2022, 105, .	2.9	7
11	The impact of $^{17}\text{O}(\hat{1}^{\pm})$ reaction rate uncertainties on the s-process in rotating massive stars. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2650-2657.	4.4	4
12	Constraints on ^{17}O resonances and impact on the weak ^{18}O resonances and ^{18}O . Physical Review C, 2022, 105, .	2.9	4
13	Sub-threshold states in ^{18}O . Physical Review C, 2021, 103, .	2.9	4
14	Angular momentum generation in nuclear fission. Nature, 2021, 590, 566-570.	27.8	57
15	Spectroscopy and lifetime measurements in ^{136}Te . Physical Review C, 2021, 103, .	2.9	8
16	Isotopes and implications for the nuclear structure beyond ^{82}Zn . Physical Review C, 2021, 103, .	2.9	0
17	Constraining ^{16}N . Physical Review C, 2021, 103, .	2.9	0
18	Probing nuclear forces beyond the nuclear drip line: the cases of ^{16}N and ^{15}N . European Physical Journal A, 2021, 57, 1.	2.5	4
19	Isoscalar monopole and dipole transitions in ^{24}Mg , ^{26}Mg , and ^{28}Si . Physical Review C, 2021, 103, .	2.9	6
20	New measurement of the $E_{\text{c.m.}}=323$ keV resonance in the $^{19}\text{F}(\text{p},\hat{1}^3)^{20}\text{Ne}$ reaction. Physical Review C, 2021, 103, .	2.9	4

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19	First lifetime investigations of ^{129}I and ^{127}I iodine isotopes: The quest for collectivity. Physical Review C, 2021, 104, .	2.9	2
20	Spectroscopy of states in $\text{Ba}136$ using the $\text{Ba}138(p,t)$ reaction. Physical Review C, 2021, 104, .	2.9	4
21	Corrigendum to "Benchmarking ^{136}Xe neutrinoless $\hat{I}^2\hat{I}^2$ decay matrix element calculations with the $^{138}\text{Ba}(p,t)$ reaction" [Phys. Lett. B 809 (2020) 135702]. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136532.	4.1	2
22	Reevaluation of the ^{134}Xe $\hat{I}^2\hat{I}^2$ decay matrix element. Physical Review C, 2021, 104, .	2.9	3
23	Neutron occupancies and single-particle energies across the stable tin isotopes. Physical Review C, 2021, 104, .	2.9	7
24	Search for in-band transitions in the candidate superdeformed band in ^{119}Sn . Physical Review C, 2021, 104, .	2.9	1
25	Isospin mixing and the cubic isobaric multiplet mass equation in the lowest ^{100}Zr $\hat{I}^2\hat{I}^2$ matrix element in ^{100}Zr . Physical Review C, 2021, 104, .	2.9	3
26	Reorientation-effect measurement of the ^{136}Xe $\hat{I}^2\hat{I}^2$ matrix element in ^{136}Xe . Physical Review C, 2021, 104, .	2.9	0
27	Reaction cross section of ^{136}Xe $\hat{I}^2\hat{I}^2$ decay at INFN - LNS. Journal of Physics: Conference Series, 2020, 1610, 012004.	0.4	0
28	Recent results on heavy-ion direct reactions of interest for ^{136}Xe $\hat{I}^2\hat{I}^2$ decay at INFN - LNS. Journal of Physics: Conference Series, 2020, 1610, 012004.	0.4	0
29	Benchmarking ^{136}Xe neutrinoless $\hat{I}^2\hat{I}^2$ decay matrix element calculations with the $^{138}\text{Ba}(p,t)$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135702.	4.1	13
30	Status of the ^{136}Xe $\hat{I}^2\hat{I}^2$ decay matrix element calculation. Physical Review C, 2020, 102, .	2.9	7
31	Advances in the Direct Study of Carbon Burning in Massive Stars. Physical Review Letters, 2020, 124, 192701.	7.8	53
32	Prompt and delayed ^{136}Xe $\hat{I}^2\hat{I}^2$ spectroscopy of neutron-rich ^{136}Xe . Physical Review C, 2020, 102, .	2.9	5
33	Observation of a new ^{136}Xe $\hat{I}^2\hat{I}^2$ matrix element in ^{136}Xe . Physical Review C, 2020, 102, .	2.9	12
34	Fine structure of the isoscalar giant monopole resonance in ^{48}Ca . Journal of Physics: Conference Series, 2020, 1643, 012154.	0.4	0
35	Study of a 5-Alpha Cluster Candidate with the $^{22}\text{Ne}(p,t)^{20}\text{Ne}$ and $^{22}\text{Ne}(p,^3\text{He})^{20}\text{F}$ Reactions. Springer Proceedings in Physics, 2020, , 293-297.	0.2	0
36	(γ)-ray Spectroscopy of (^{85}Se) Produced in (^{232}Th) Fission. Acta Physica Polonica B, 2020, 51, 843.	0.8	0

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37	Spectroscopy of Neutron Induced Reactions with the β -ball Spectrometer. Acta Physica Polonica B, 2019, 50, 297.	0.8	10
38	Charged-Particle Decays of Highly Excited States in ^{19}F . Springer Proceedings in Physics, 2019, , 271-275.	0.2	0
39	Experimental Study of the $^{30}\text{P}(\text{p},\gamma)^{31}\text{S}$ Reaction in Classical Novae. Springer Proceedings in Physics, 2019, , 195-200.	0.2	0
40	High-resolution study of levels in the astrophysically important nucleus Mg26 and resulting updated level assignments. Physical Review C, 2018, 97, .	2.9	17
41	Study of key resonances in the $30\text{P}(p,\gamma)^{31}\text{S}$ reaction in classical novae. EPJ Web of Conferences, 2018, 184, 02010.	0.3	1
42	Second γ -ray transition in ^{26}Mg and the isobaric multiplet mass equation. Physical Review C, 2018, 98, .	2.9	3
43	Nuclear structure studies relevant to ^{136}Xe β decay. Journal of Physics: Conference Series, 2018, 1056, 012049.	0.4	1
44	Effectiveness of using a magnetic spectrograph with the Trojan Horse method. Journal of Physics: Conference Series, 2018, 940, 012046.	0.4	0
45	The STELLA apparatus for particle-Gamma coincidence fusion measurements with nanosecond timing. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 903, 1-7.	1.6	12
46	Deformation dependence of the isovector giant dipole resonance: The neodymium isotopic chain revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 133-138.	4.1	24
47	CAKE: the coincidence array for K600 experiments. Journal of Instrumentation, 2017, 12, T02004-T02004.	1.2	13
48	Characterization of the proposed ^{26}Mg cluster state candidate in ^{26}Mg . Physical Review C, 2017, 95, .	2.9	22
49	Re-examining the ^{26}Mg β decay. Journal of Physics: Conference Series, 2017, 163, 00018.	2.9	18
50	Probing astrophysically important states in ^{26}Mg reaction: Fusion cross section measurements of astrophysical interest for light heavy ions systems within the STELLA project. EPJ Web of Conferences, 2017, 163, 00018.	2.9	14
51	Fusion cross section measurements of astrophysical interest for light heavy ions systems within the STELLA project. EPJ Web of Conferences, 2017, 163, 00018.	0.3	1
52	Cross section measurements in the $^{12}\text{C}+^{12}\text{C}$ system. EPJ Web of Conferences, 2017, 165, 01015.	0.3	1
53	Sub-barrier fusion cross section measurements with STELLA. EPJ Web of Conferences, 2017, 165, 01029.	0.3	1
54	Study of the $^{26}\text{Al}(n,p)^{26}\text{Mg}$ and $^{26}\text{Al}(n,\gamma)^{27}\text{Al}$ reactions using the $^{27}\text{Al}(p,p')^{27}\text{Al}$ inelastic scattering reaction. Journal of Physics: Conference Series, 2016, 665, 012018.	0.4	2

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55	Spectroscopy of low lying states in ^{136}Cs . Journal of Physics: Conference Series, 2016, 689, 012026.	0.4	5
56	The $^{20}\text{Ne}(d,p)^{21}\text{Ne}$ transfer reaction in relation to the <i>s</i> -process abundances. Journal of Physics: Conference Series, 2016, 665, 012026.	0.4	0
57	^{19}F for the thermonuclear O		